

# GEAR COMPOUND PLUS

## ISO VG 680

Zinc- and lead-free, high-pressure industrial gear oil

### Description

GEAR COMPOUND PLUS 680 is a mineral-based industrial gear oil with outstanding physical and chemical properties. Carefully selected base oils and coordinated additives give this versatile lubricant its exceptional level of performance.

### Advantages

- excellent corrosion protection
- high level of wear protection
- high micro-pitting resistance
- compatible with the majority of seal materials used
- very good demulsifying properties
- low foaming tendency
- excellent shear stability
- high ageing and oxidation stability

### Field of application

The oil is recommended for use in a number of spur gears, bevel gears and planetary gears produced by well-known manufacturers. The remarkable quality of this lubricant is particularly apparent when used under difficult conditions. It is therefore perfect for industrial gears used in gravel plants, mountain railways, industrial plants and sewage-treatment plants.

### Specifications

AIST 224 (U.S. steel); ISO 12925-1; ISO 6743-6 L-CKB; ISO 6743-6 L-CKC; SED 181226; AGMA 9005/E02; DIN 51517-3 CLP; FLENDER, Rev.14

### Technical data

Properties	Unit	Test according to	Values
Colour			dark brown
Density at 20 °C	g/cm <sup>3</sup>	ASTM D4052	0.921
Viscosity at 40 °C	mm <sup>2</sup> /s	DIN 51562-1	662
Viscosity at 100 °C	mm <sup>2</sup> /s	DIN 51562-1	36.5
Viscosity index		DIN ISO 2909	90
Pourpoint	°C	ASTM D5950	-9
Flash point C.O.C.	°C	DIN EN ISO 2592	>200
Demulsifying capability / 54°C	min.	DIN 51599	>60
FZG - test		DIN 51354-2	>12
micro pitting endurance test		FVA-54/II	GFT hoch
micro pitting stage test		FVA-54/III	GFT hoch
Copper corrosion		DIN EN ISO 2160	1
Steel corrosion		DIN ISO 7120 DIN 51585	0
TAN NZ	mg KOH/g	ASTM D 664-95 DIN 51558-1	0.3

European waste code: 13 02 05 / Water hazard class: 1

The above information corresponds to the current state of our knowledge. We reserve the right to make changes. The performance characteristics indicated are based on testing and production tolerances standard in this industry. A safety data sheet is available.

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